CITY OF WEST LAFAYETTE

STORMWATER PROGRAM

Recommended Stormwater Program & Service Charge Presentation

November 27, 2012

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Agenda

- Program Purpose
- Identified program needs
- Equivalent Residential Unit (ERU) and proposed billing structure
- Proposed Service Charge rate and billing examples
- Capital Projects
- Proposed Schedule for implementation

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Purpose of Proposed Program

- Purpose
  - Improve quality of service
  - Improve water quality in waterways
  - Comply with state and federal requirements (Municipal Separate Storm Sewer (MS4) Permit)
- Program Components
  - Proposed stormwater capital improvement projects
  - Ongoing infrastructure operations and maintenance and regulatory compliance

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Identified Program Needs

- Approximately $14 million capital project needs
- Annual city-wide project costs of $150,000
- Ongoing operations costs of approximately $375,000 annually

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Equivalent Residential Unit

- ERU: Average impervious area on a residential property and equals 3,200 square feet
- Based on sample residential parcel measurements
- ERU establishes a base billing unit

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Proposed Billing Structure

- Monthly assessment based on Impervious Surface Area (ISA)
- Residential property billed one ERU
- Non-residential property billed per total measured ISA

Example: Total measured ISA/3,200 = #ERUs

#ERUs * Rate = Bill amount

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Proposed Stormwater Service Charge

- The utility proposes a service charge rate of $8.00 per ERU per month
- Residential property = 1 ERU($8.00)/month

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- Residential property impervious surface area

1 ERU = $8.00/month

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Proposed Stormwater Service Charge

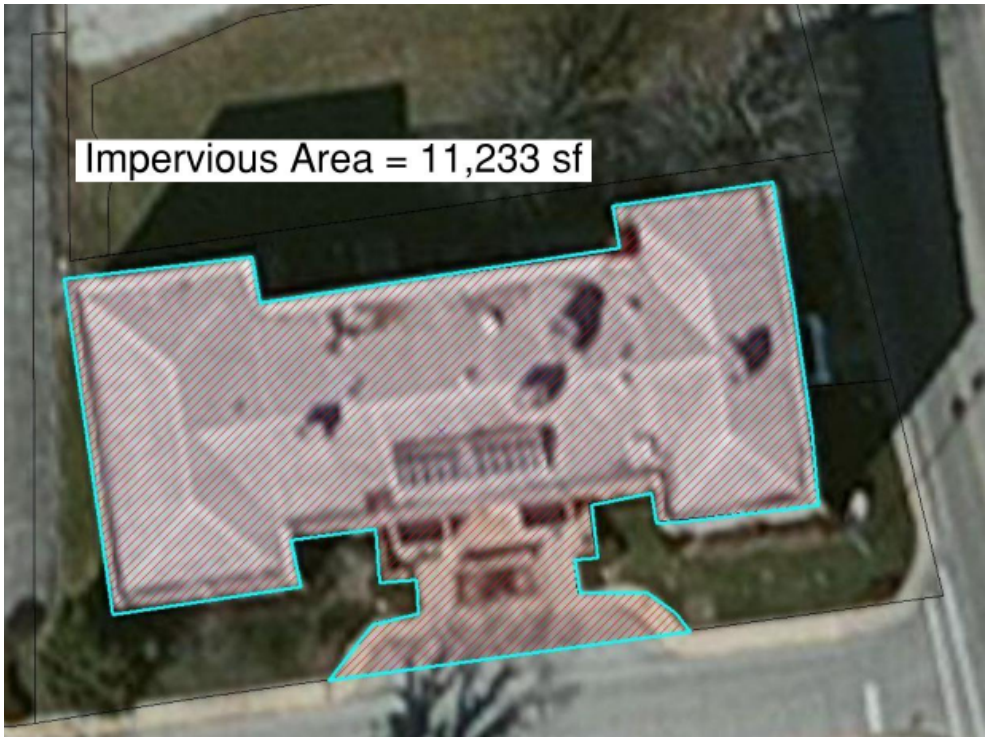
- Non-Residential property bill based on total measured impervious area
- Non-Residential property = (Measured ISA/3,200*) X $8.00/month

  *ERU = 3,200 sq. ft. ISA

- Non-Residential property impervious surface area

11,233/3,200 = 4

4 ERUs X $8.00 = $32/month



- Bigger Picture
  - Approximately 29,400,000 sq ft of non – residential ISA exists in the system today
  - Non-Residential ISA equates to approximately 9,200 ERUs
  - Residential parcels include approximately 4,700 ERUs
  - Estimated total ERUs in the system 13,900 ERUs

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Proposed Capital Improvement Projects

Proposed Project	Estimated Cost
“The Island” Green Infrastructure	$2,400,000
Downtown/Waterfront Drainage Improvements	$500,000
Happy Hollow Park Erosion Control	$4,600,000
Blackbird Pond Stormwater Improvements	$800,000
Plaza Parks/Cumberland Park Drainage Improvements	$2,800,000
University Farms Drainage Improvements	$1,200,000
Celery Bog Nature Center Drainage Improvements	$1,000,000
Annual City Wide Project Costs ($/Year)	$150,000

Annual City-Wide Projects

- Mainly complaint driven
- Perpetual problems that can be solved with minimal design & funds
- Additional projects added yearly as they are encountered

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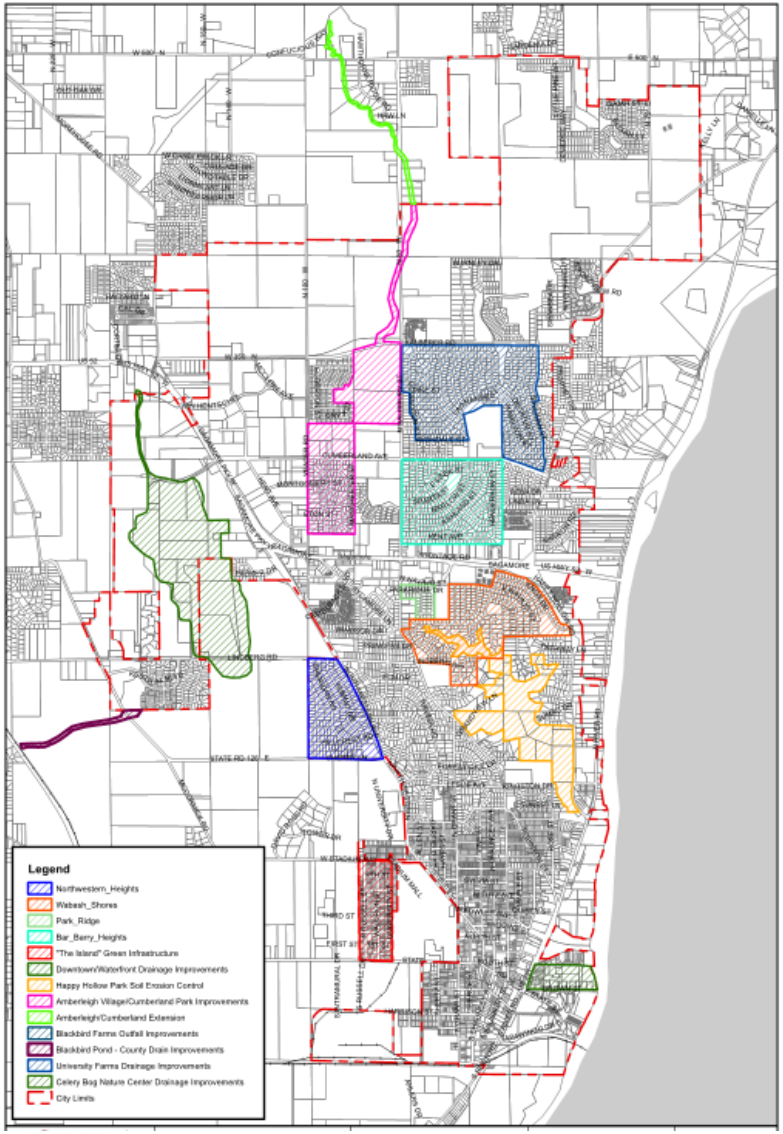

Legend

- Northwestern_Heights
- Wabash_Shores
- Park_Ridge
- Bar_Barry_Heights
- "The Island" Green Infrastructure
- Downtown/Waterfront Drainage Improvements
- Happy Hollow Park Soil Erosion Control
- Amberleigh Village/Cumberland Park Improvements
- Amberleigh/Cumberland Extension
- Blackbird Farms Outfall Improvements
- Blackbird Pond - County Drain Improvements
- University Farms Drainage Improvements
- Celery Bog Nature Center Drainage Improvements
- City Limits

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Proposed Schedule for Implementation

- Ordinance currently being prepared with proposed rate and billing language
- Outreach for top rate payers being prepared
- Public open house event being planned and scheduled
- Propose to implement new rate January 2014

Questions?